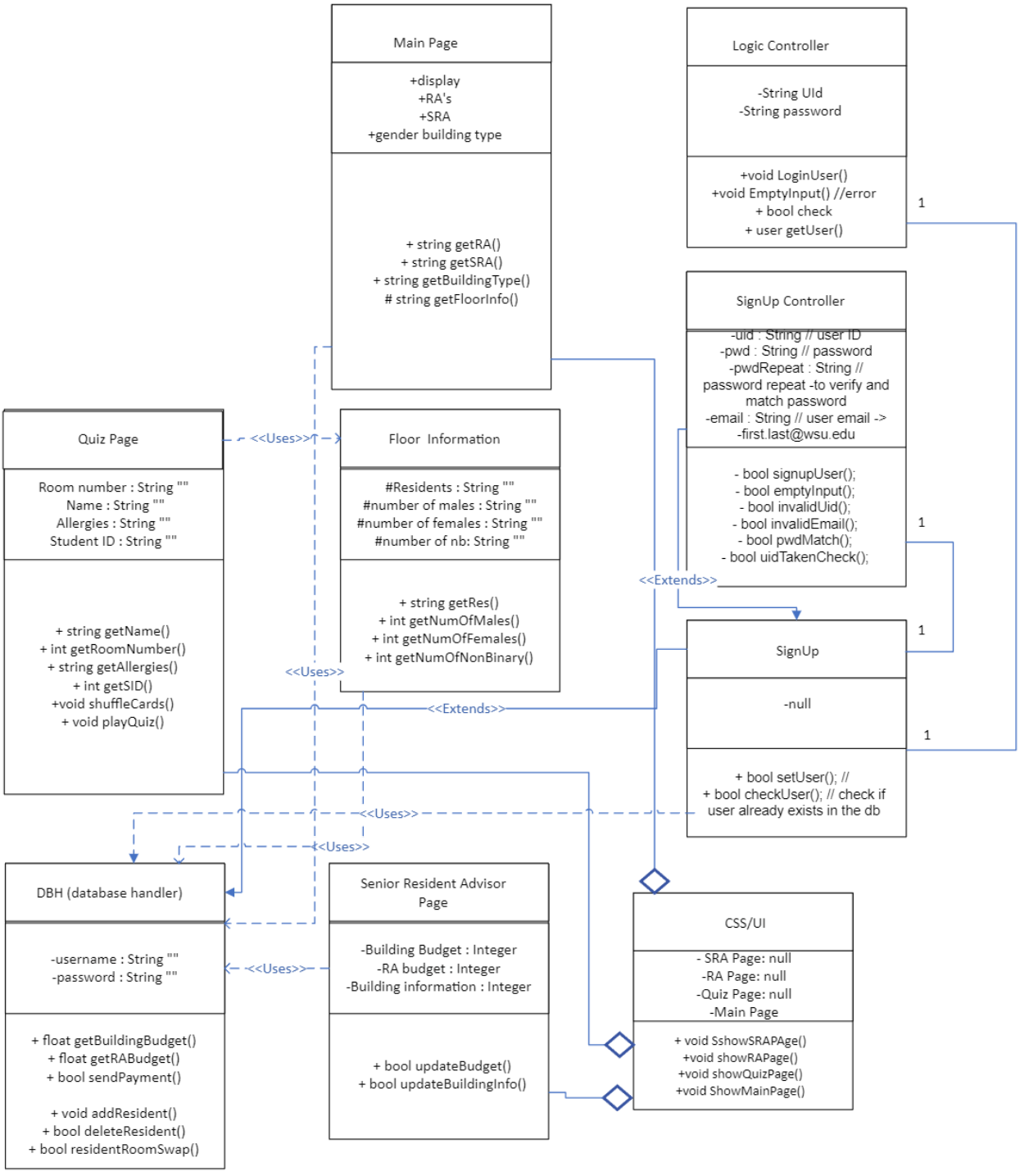
Milestone 5

1. Elaborated Design Classes



Class Login extends Dbh:

Attributes:

Classes:
getUser(); // fetches user from database, based on username or user email.
// If user found and password matches, set $_SESSION[‘userid’] and [‘useruid’]

Class LoginController extends Login:
Attributes:
uid // User id
pwd // password
Classes:
loginUser()
emptyInput() // error checker

// LoginController depends on Login

Class Signup extends Dbh:
Attributes:

Classes:
setUser(); //
checkUser(); // check if user already exists in the db

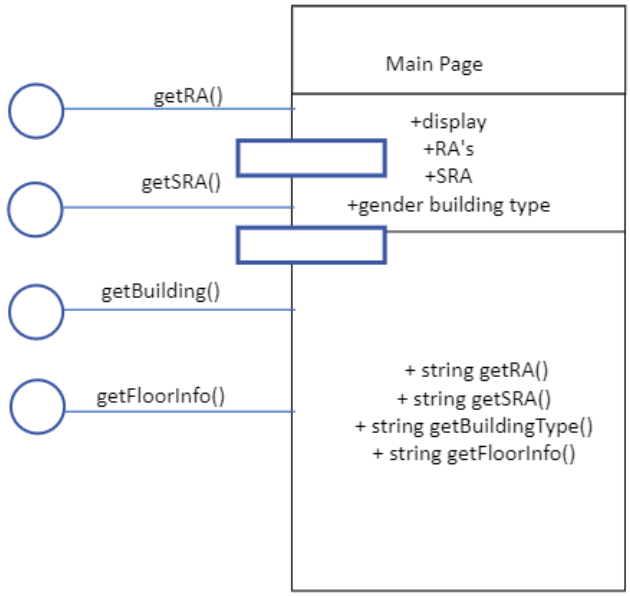
SignupController extends Signup:
Attributes:
uid // user ID
pwd // password
pwdRepeat // password repeat to verify and match password
email // user email -> first.last@wsu.edu

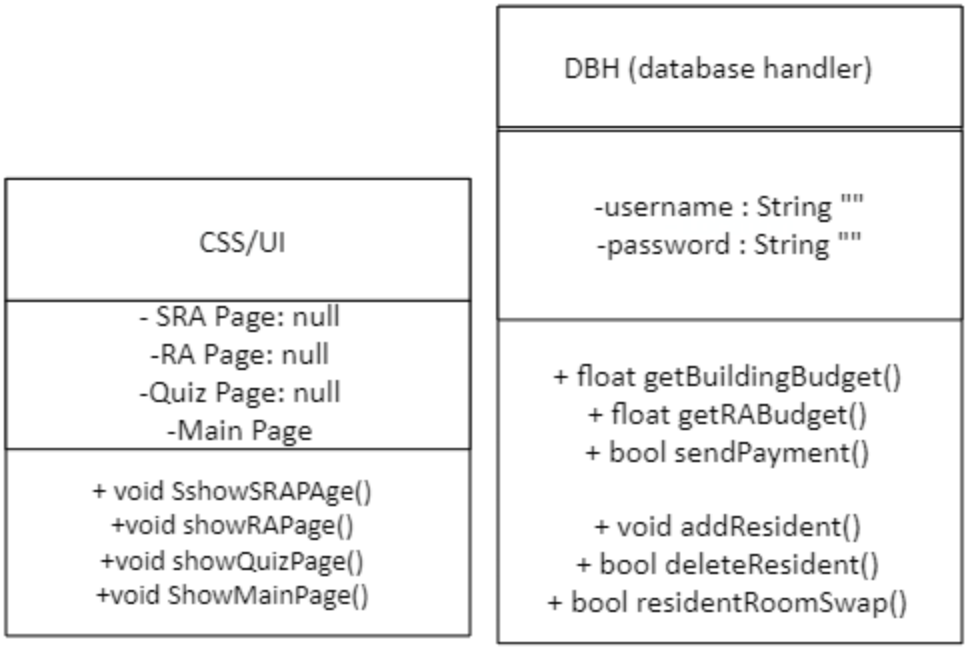
Classes:
public signupUser();
private emptyInput();
private invalidUid();
private invalidEmail();
private pwdMatch();
private uidTakenCheck();

// SignupController depends on Signup
// Signup and Login extend dbh
dbh:
attributes:
username
password
dbh // Database connection using PDO

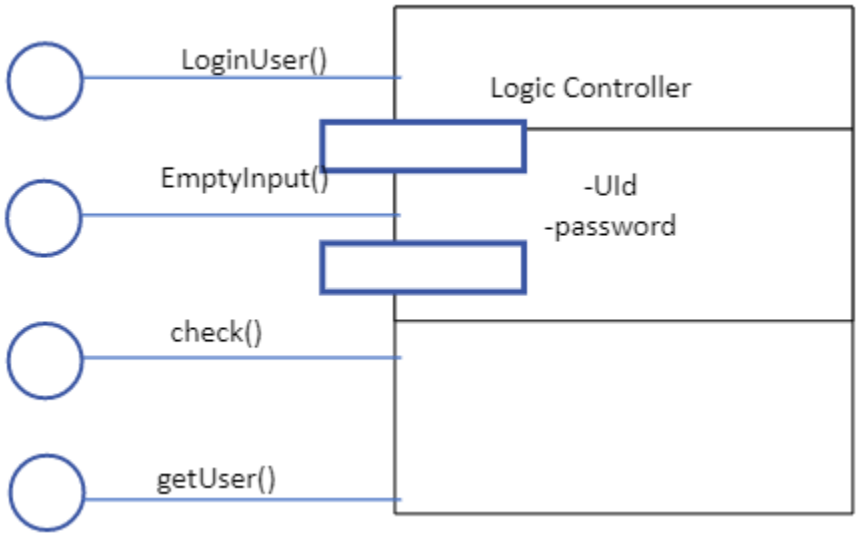
2. Elaborated Component Diagram

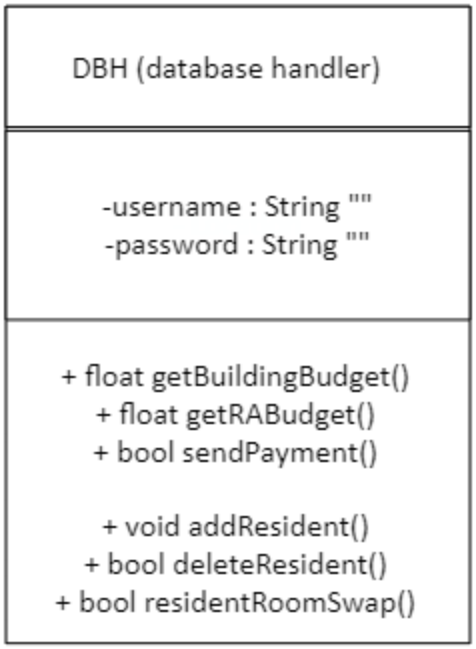
Main Page



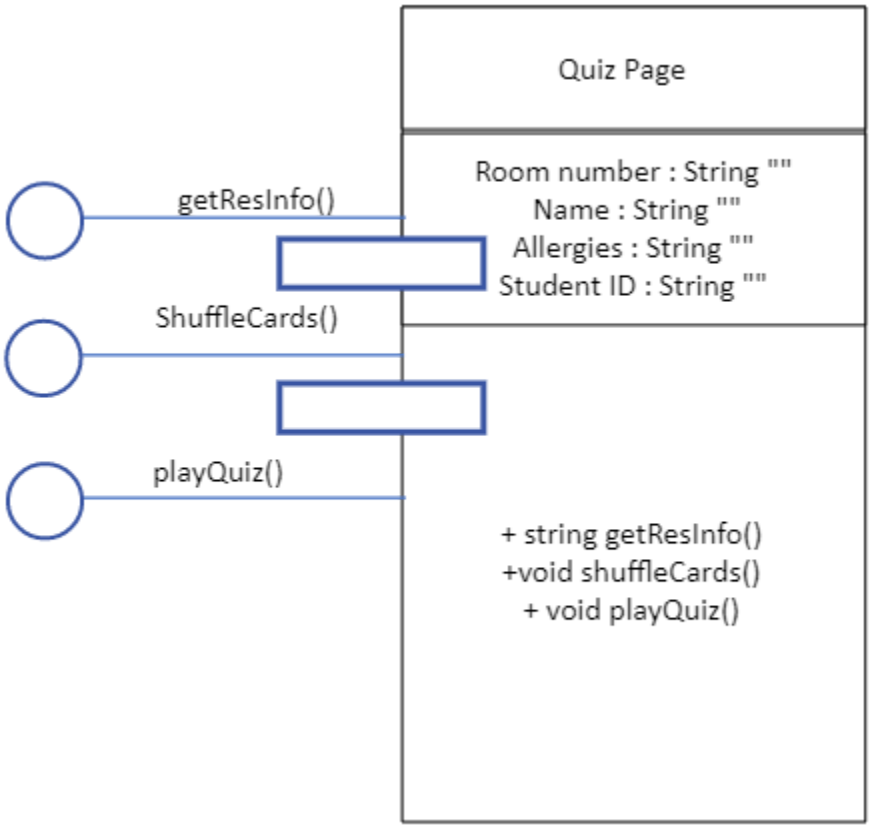


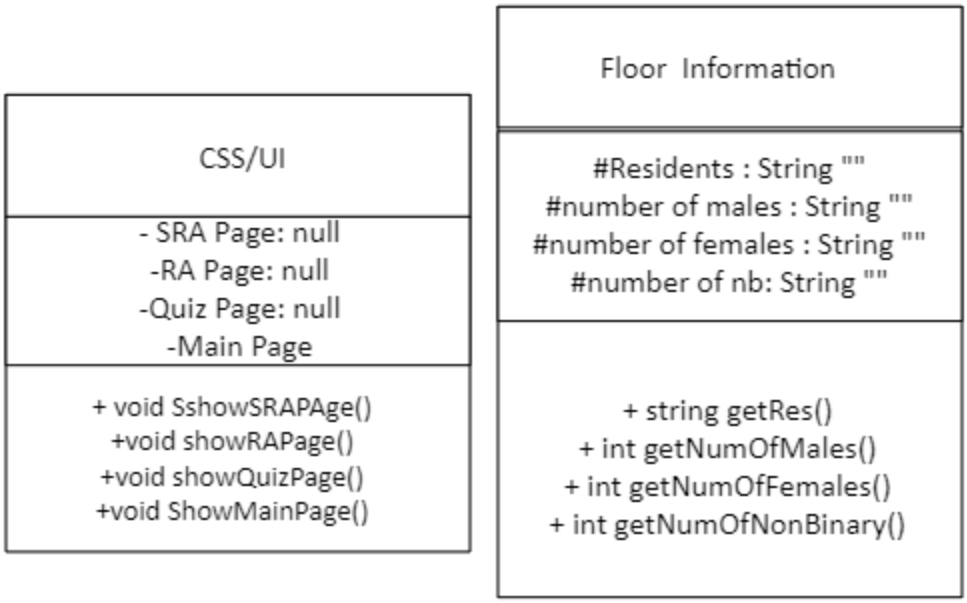
Logic Controller



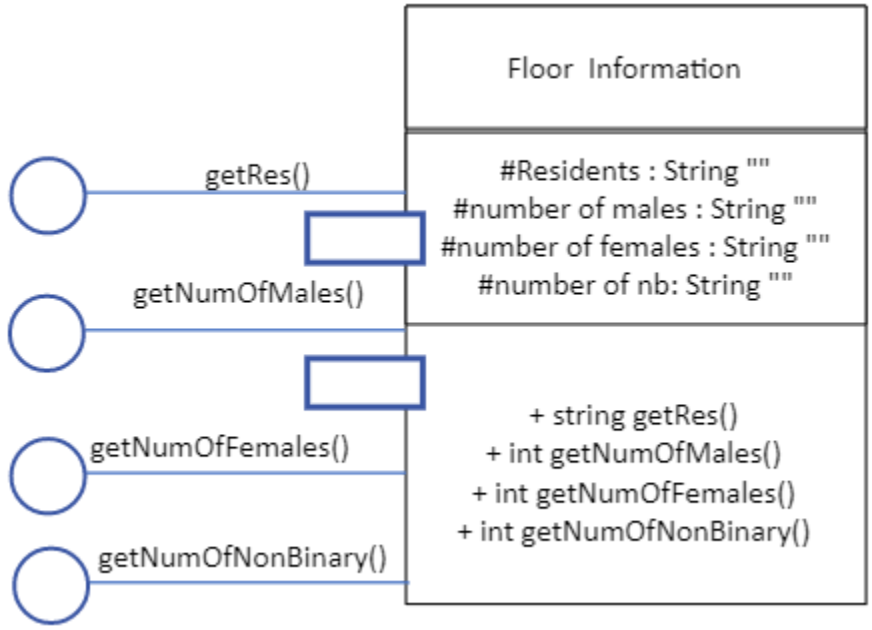

DBH (database handler)
-username : String ""
-password : String ""
+ float getBuildingBudget()
+ float getRABudget()
+ bool sendPayment()
+ void addResident()
+ bool deleteResident()
+ bool residentRoomSwap()

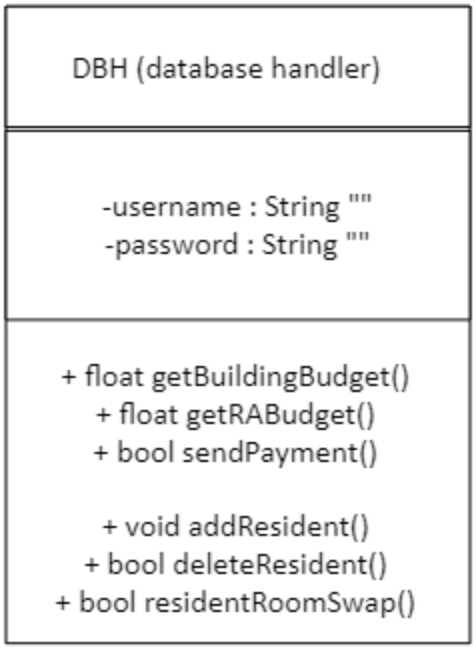
Quiz Page


Quiz Page
Room number : String ""
Name : String ""
Allergies : String ""
Student ID : String ""
getResInfo()
ShuffleCards()
playQuiz()
+ string getResInfo()
+void shuffleCards()
+ void playQuiz()

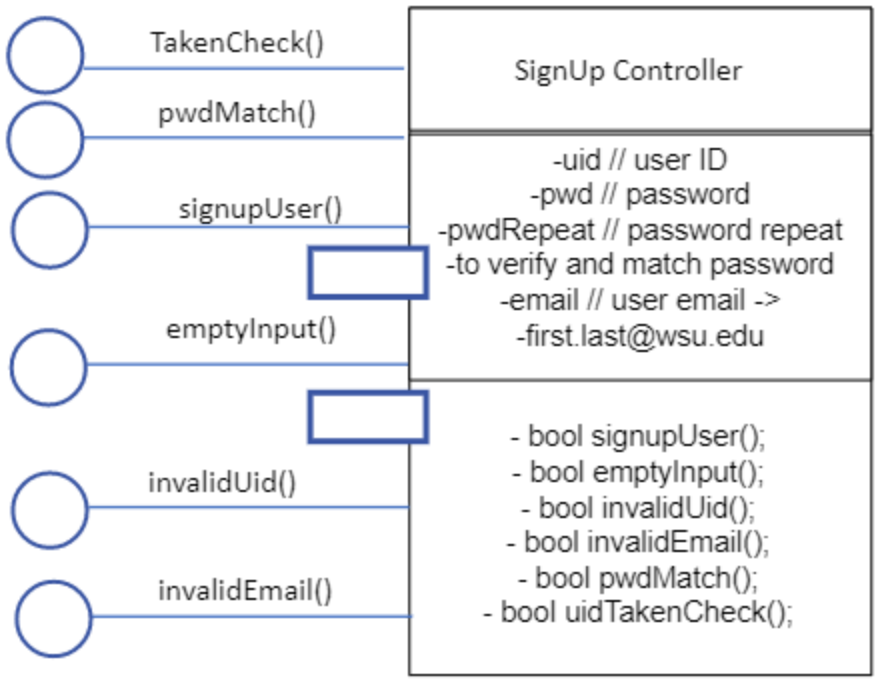


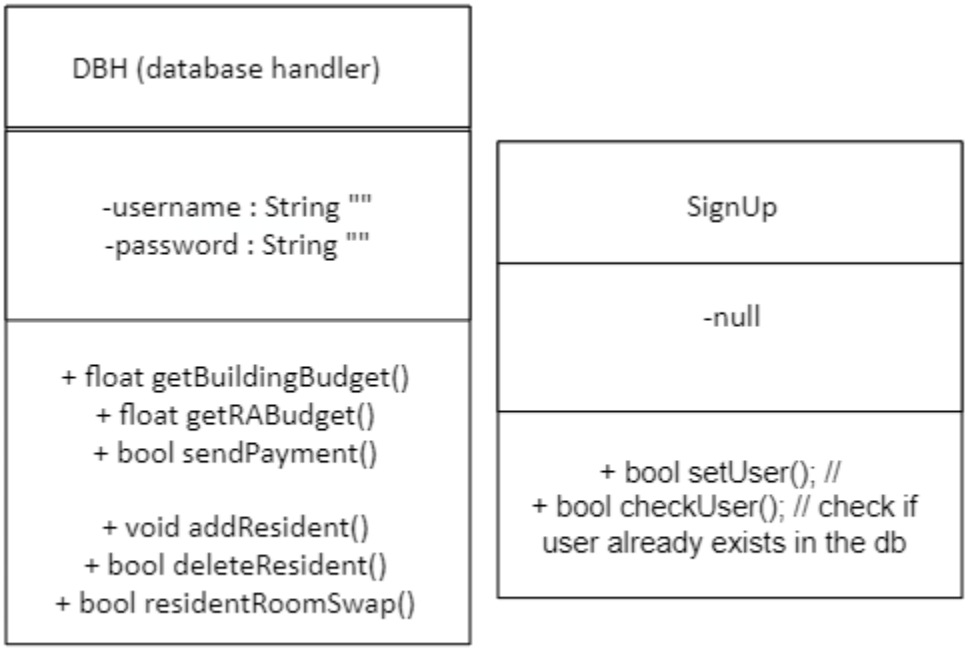
Floor Information



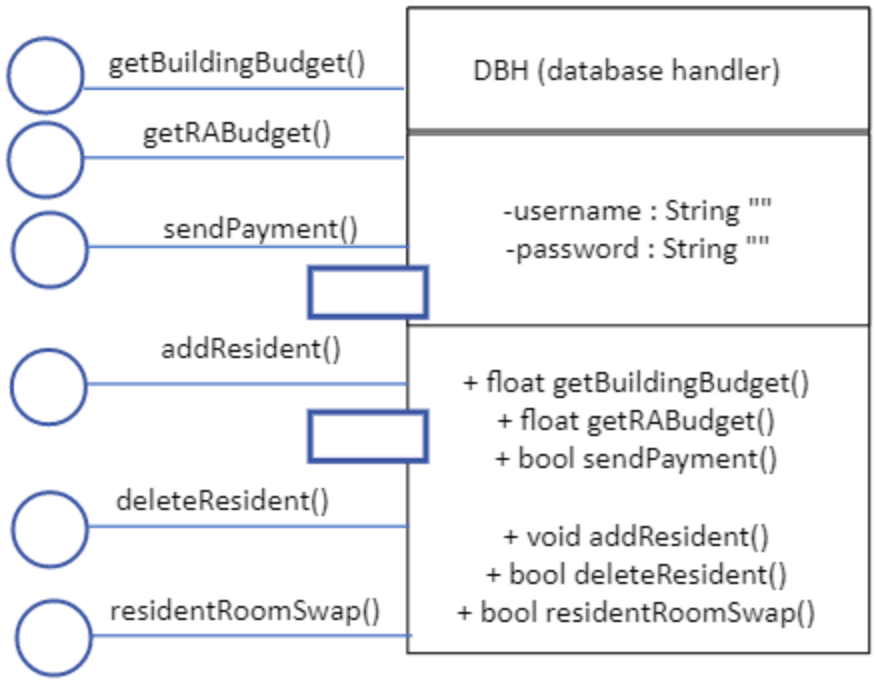


Sign Up Controller





Database Handler


getBuildingBudget()
getRABudget()
sendPayment()
addResident()
deleteResident()
residentRoomSwap()
DBH (database handler)
-username : String ""
-password : String ""
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+ float getRABudget()
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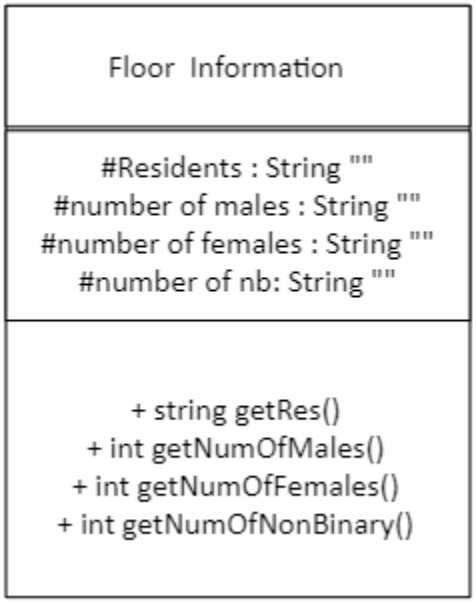
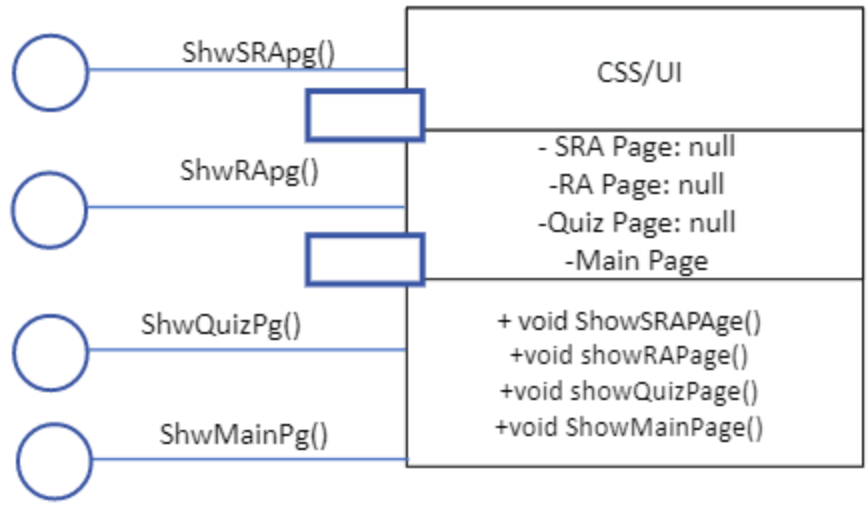
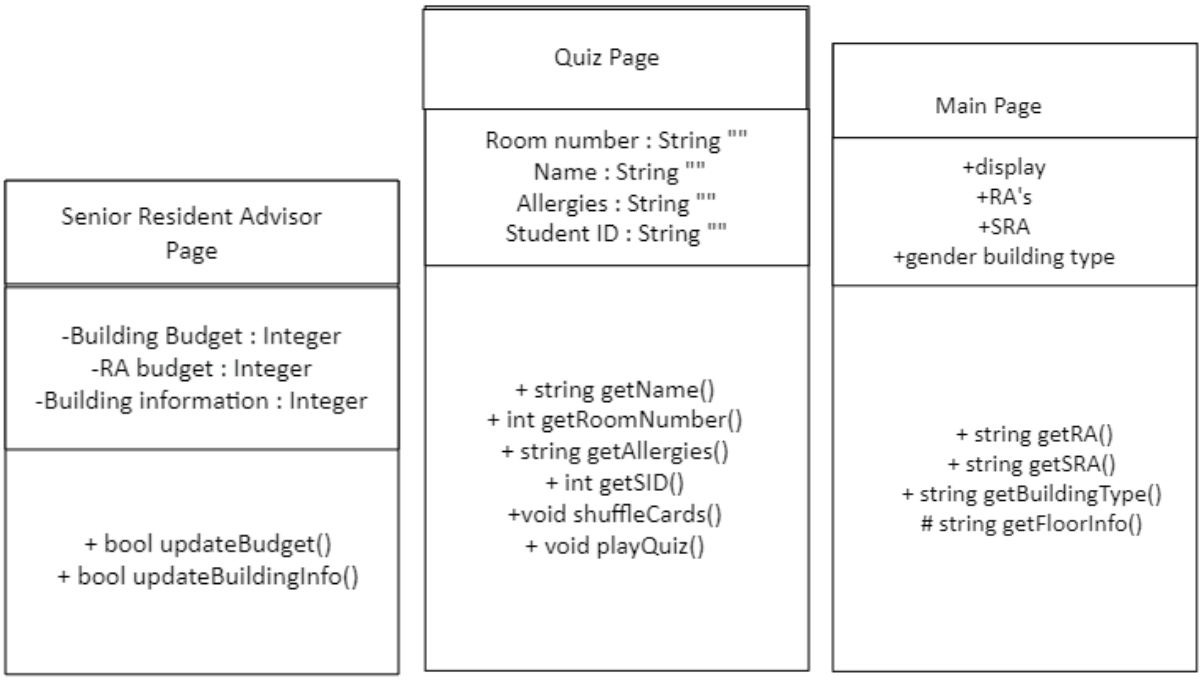
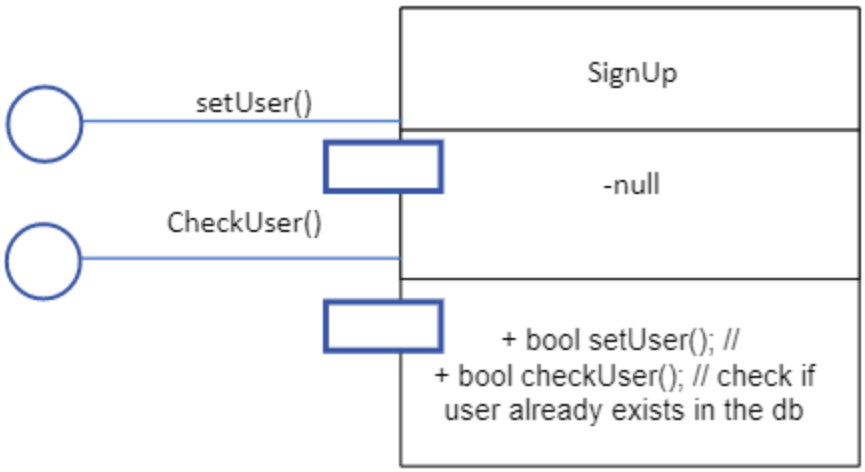

Floor Information
#Residents : String ""
#number of males : String ""
#number of females : String ""
#number of nb: String ""
+ string getRes()
+ int getNumOfMales()
+ int getNumOfFemales()
+ int getNumOfNonBinary()

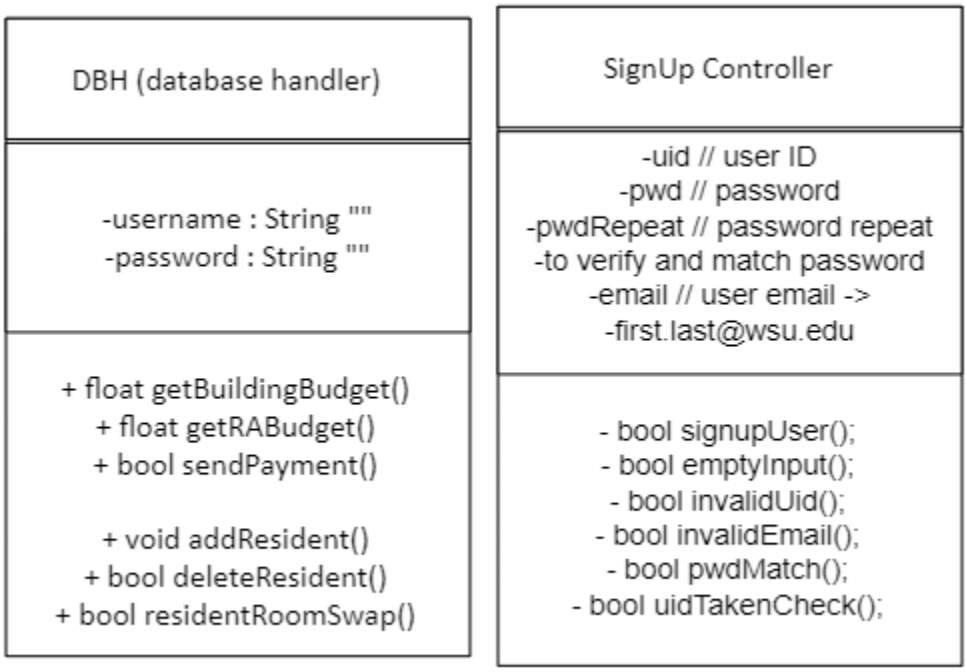
CSS/UI


ShwSRApg()
ShwRApg()
ShwQuizPg()
ShwMainPg()
CSS/UI
- SRA Page: null
-RA Page: null
-Quiz Page: null
-Main Page
+ void ShowSRAPAge()
+void showRAPage()
+void showQuizPage()
+void ShowMainPage()


Senior Resident Advisor Page
-Building Budget : Integer
-RA budget : Integer
-Building information : Integer
+ bool updateBudget()
+ bool updateBuildingInfo()
Quiz Page
Room number : String ""
Name : String ""
Allergies : String ""
Student ID : String ""
+ string getName()
+ int getRoomNumber()
+ string getAllergies()
+ int getSID()
+void shuffleCards()
+ void playQuiz()
Main Page
+display
+RA's
+SRA
+gender building type
+ string getRA()
+ string getSRA()
+ string getBuildingType()
# string getFloorInfo()

Sign Up


SignUp
setUser()
-null
CheckUser()
+ bool setUser(); //
+ bool checkUser(); // check if
user already exists in the db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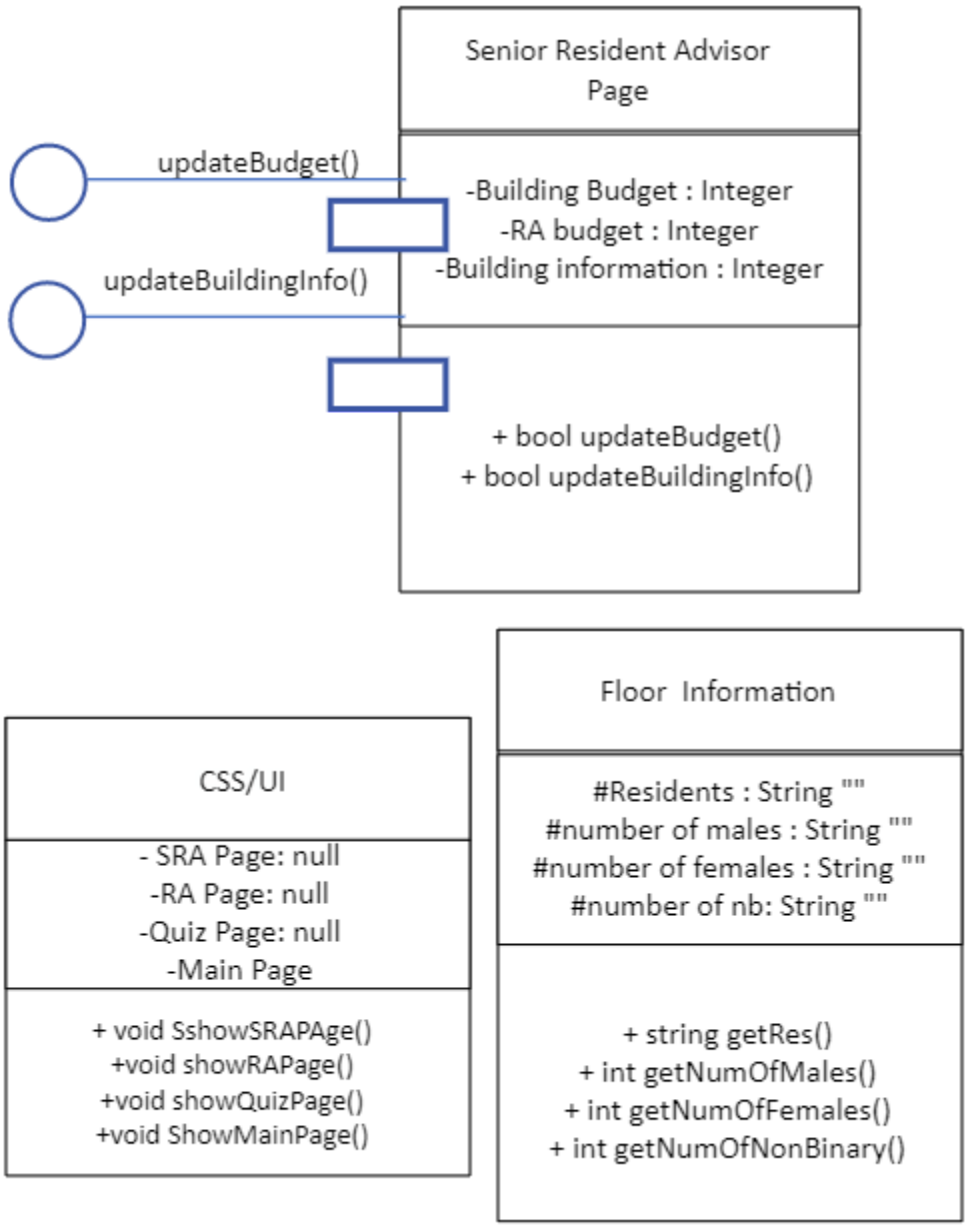
SignUp Controller
-uid // user ID
-pwd // password
-pwdRepeat // password repeat
-to verify and match password
-email // user email ->
-first.last@wsu.edu
- bool signupUser();
- bool emptyInput();
- bool invalidUid();
- bool invalidEmail();
- bool pwdMatch();
- bool uidTakenCheck();

SRA Page


Senior Resident Advisor Page
updateBudget()
updateBuildingInfo()
-Building Budget : Integer
-RA budget : Integer
-Building information : Integer
+ bool updateBudget()
+ bool updateBuildingInfo()
CSS/UI
- SRA Page: null
-RA Page: null
-Quiz Page: null
-Main Page
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